

Course Description

I. General Education **30 credits**

Humanities & Social **11 credits**

MUGE 101 General Education for Human Development **2(1-2-3)**

The meaning, significance, and relation of General Education to other vocational/ specific subjects; the relation between behavior and mentality; critical thinking; the qualifications of ideal graduates; analysis of causes and consequences of events/ situations/problems; synthesis of solutions to, precautions against, or improvements in those events/situations to benefit individuals and their community; and the application of knowledge to solve the problems.

SHSS 135 Health Economics **2(2-0-4)**

Philosophy/evolution of health economics, comprehensive knowledge based in economics, economic tools applied to health services system, health care production, efficiency, equity/equally distribution in health services allocation.

SHHU 103 Art Appreciation **2(2-0-4)**

Meaning and types of fine arts; value of arts in human life; appreciation of painting, sculpture and architectural masterpieces both in Thailand and abroad.

SHHU 116 Comparative Culture **2(2-0-4)**

Comparison of material, cognitive, and normative dimensions between Thai, Western and other related cultures with emphasis on cross cultural understanding and appreciation of cultural diversity.

SHHU 102 Comparative Religion **2(2-0-4)**

Modern approaches to religious studies; roles of religion in life and society; basic teaching in Buddhism, Christianity, and Islam; comparison of Buddhist, Christian, and Islamic views on the world and the universe, human nature and destiny, happiness and suffering, and life after death.

MSMS 107 Film Appreciation **2(2-0-4)**

The definitions, role & functions of Films. Survey into genres, film styles, history of films, and development in both Eastern-Western Cinematographic worlds as well as films in Thailand. Elements of film creation. Films exploration. Principles of aesthetic evaluation in Films.

MSID 101 Music Appreciations **2(2-0-4)**

The understanding of the evolution of western and global music cultures, considering both their forms and their social and economic foundations, which will lead to the better understandings of other music cultures as well as the comparison and futures of Thailand's music cultures.

Language **9 credits**

LATH 100 Art of Using Thai Language in Communication **3(2-2-5)**

Art of using Thai language and of speaking, listening, reading, writing, and thinking skills for accurate and appropriate communication.

LAEN 103 English Level 1 **3(2-2-5)**

English structure, grammar and vocabulary in the context of daily language use, dealing with integration in four basic skills (listening, speaking, reading, and writing); reading strategies, sentence writing, listening for the gist, pronunciation and classroom communication.

LAEN 104 English Level 2

3(2-2-5)

Vocabulary, expressions, grammar, and contextualized social language; essential communicative skills in small groups; writing practice at a paragraph level; and reading strategies.

LAEN 105 English Level 3

3(2-2-5)

Reading passages and writing at sentence and paragraph levels about proportion, frequency and probability, shape, measurement, comparison and contrast, definition and classification; coherence, unity and transition; listening comprehension; listening for the main idea; listening for specific details; and making inferences.

LAEN 106 English Level 4

3(2-2-5)

Reading passages and writing at sentence and paragraph levels about sequence of events and process, function, purpose, method and means, cause and effect, and conditional reasoning; academic English paragraph writing and introduction to essay writing; listening comprehension; listening for the main idea; listening for specific details; and making inferences.

Science & Mathematics

8 credits

ENGE 100 The Earth and Nature

3(3-0-6)

Principle of Environment. Ecology and dynamic system. Balance of natural resource conservation. Human community related to their environment and human activities that directly impact on environment and natural resources which including water resource soil. Land forest. Minerals. Energy. Noise. Air. Solid waste and hazardous water Current environment situation and crisis in our country and other countries in the world. Ways of environmental management as a means for sustainable development.

LAFE 144 Critical Thinking and Analysis

3(3-0-6)

Principles and rules in good reasoning; application of principles and rules in thinking and analytical processes; various forms of expression of thought to avoid mistakes.

SCBI 115 Basic of Life

2(0.5-1-

3.5)

Biodiversity; comparative study of reproduction and development in animals; comparative physiology of organ system, receptor and motor system, digestive system, endocrine system, gas exchange and excretory system, circulatory system and immune system; and basic biology laboratories.

Health & Recreation

2 credits

SPGE 120 Bike Rider for Health

2(0-2-3)

Applied sport science principles, physical and mental fitness preparation for bike rider benefits, basic principles bike skills safety, rules and regulations and manner in riding in bike lane, tour around MU by bike for recreation and health.

SPGE 121 Mind and Body

2(0-2-3)

Applied sport science principles, physical and mental fitness preparation for mind and body exercise benefits and basic principles of mind and body training. Skills and safety, Mind and Body activities such as Yoga, Tai Chi, Pilates, and Fit Ball.

SPGE 122 Group Exercise

2(0-2-3)

Applied sport science principles, physical and mental fitness preparation for group exercise, benefits and basic principles of group exercise training, skills and safety, group exercise activities such as Bosu Ball, Punch Kick, jump, jump rope, Boot Camp, Indoor Bike, Trampoline, and Aqua Aerobic.

SPGE 123 Track Athletics

2(0-2-3)

History, usefulness, applied sport science principles, physical and mental fitness preparation for player, basic skills; steps, set position of start running and movement for various distance of competition. Sports facilities, judging, rules, regulations, injuries and safety, equipment and maintenance.

SPGE 124 Sepak Takraw

2(0-2-3)

History, usefulness, applied sport science principles, physical and mental fitness preparation for player, basic skills such as basic movement, variety of kicking, heading, serving, volley, back kick, attack and defense techniques, team playing, rule, regulations, injuries and safety, equipment and maintenance.

SPGE 125 Petanque

2(0-2-3)

History, benefits, applied sport science principles, physical and mental fitness preparation for player, Petanque court and equipment. Rules and regulation. Petanque basic skills such as handing, throwing, standing, balancing, pointing, hitting. Individual double and team completion. Equipment maintenance and safety.

SPGE 126 Synchronized Swimming

2(0-2-3)

History, benefits, application of sports science principles in synchronized swimming, physical and mental fitness preparation for synchronised swimmer, safety, rules and regulations, uniforms. Basic skill such as floating, breathing, scolling movements, bullet leg, flamingo and eggbeater. Synchronized swimming style such as basic routine, team routine.

SPGE 127 Aerobic for Health

2(0-2-3)

Sport science principles and their application to Aerobic for Health. Aerobic exercise significance, benefits and basic principles of aerobic dance training. Skills of aerobic dance movements, safety, and Aerobic activities such as Water Aerobics, Martial Art with music, Step Aerobic, New Body and Boot Camp.

SPGE 128 Yoga for Health

2(0-2-3)

Sport science principles and their application to Yoga for Health. History, meaning, training locations and equipment, and benefits of Yoga. Body preparation, joint and muscle stretching, techniques of muscle contraction and relaxation. Practice of Asana (body position/posture), breathing control, Pranayama, deep relaxation and Yoga training safety.

SPGE 129 Tennis

2(0-2-3)

Sport science principles and their application to Lawn Tennis. History, benefits, equipment, rules and regulations, physical fitness . Basic skills such as forehand, backhand, volley, serve and strategies for singles and doubles. Injuries and safety, sports science of tennis.

SPGE 130 Soccer**2(0-2-3)**

Sport science principles and their application to Soccer. Brief history of soccer encompassing; benefit, equipment, rule and regulations, physical fitness. Basic skills of kicking, passing, heading, dribbling, throwing and team play. Equipment keeping, risks injuries and safety. Soccer for exercise, health and recreation.

SPGE 131 Swimming**2(0-2-3)**

Sport science principles and their application to Swimming. Significance, benefits, safety, rules and regulations, uniforms. Basic skill such as breathing, floating, leg movements. Styles of swimming such as Freestyle, Back stroke and Breast stroke.

SPGE 132 Basketball**2(0-2-3)**

Sport science principles and their application to Basketball. Benefits, rules and regulations, uniforms and safety. Basic skills such as foot movement, body position, ball handling, shooting and dribbling. Various team tactics and strategies.

SPGE 133 Volleyball**2(0-2-3)**

Sport science principles and their application to Volleyball. Benefits, rules and regulation, uniforms and safety. Basic skill such as foot movement, body position, serving, volley, bumping, individual attack and defense techniques.

SPGE 134 Social Dance**2(0-2-3)**

Sport science principles and their application to Social Dance. Cultural significance, benefits, rules and regulations, safety and uniforms. Basic skill of waltz, Cuban-rumba and cha cha cha and Jive.

SPGE 135 Table Tennis**2(0-2-3)**

Sport science principles and their application to Table Tennis. Benefits, rules and regulations, uniforms and safety. Basic skills such as foot-work, control, forehand stroke, backhand stroke, service and top spin. Competition event in single and doubles in Table tennis.

SPGE 136 Arts Self-defense**2(0-2-3)**

Sport science principles and their application to Arts Self-defense. Usefulness, definition, safety, Basic skills, such as rolls and somersaults, kick, punch, immobilization, attacks and self-defense.

SPGE 141 Swimming for Health and Recreation**2(0-2-3)**

Sport science principles and their application to swimming for health and recreation. Significance, benefits, safety, rules and regulations, uniforms. Basic skill such as breathing, floating, leg movements. Styles of swimming such as Freestyle, Back stroke and Breast stroke. Self-help in water accident.

SPGE 142 Aerobic for Health and Recreation**2(0-2-3)**

Sport science principles and their application to aerobic for health and recreation. Aerobic exercise significance, benefits and basic principles of aerobic training. Skills of aerobic exercise movements, safety, and aerobic activities such as aquarobic, martial arts with music, step aerobic, new body, boot camp, and aerobic dance.

SPGE 143 Yoga for Health and Recreation**2(0-2-3)**

Sport science principles and their application to yoga for health and recreation. History, meaning, training locations and equipment, and benefits of yoga. Body preparation, joint and muscle stretching, techniques of muscle contraction and relaxation, Asanas (body position/posture), breathing control, Pranayama, deep relaxation and yoga training safety.

SPGE 144 Social Dance for Health and Recreation

2(0-2-3)

Sport science principles and their application to social dance for health and recreation. Significance, benefits, rules and regulations, safety and uniforms. Basic skill of waltz, Cuban-rumba and cha cha cha.

SPGE 145 Arts of Self - defense for Health and Recreation

2(0-2-3)

Sport science principles and their application to arts of self-defense for health and recreation. Usefulness, definition, safety, basic skills, such as rolls and somersaults, punch, immobilization, attacks and self-defense.

SPGE 146 Table Tennis for Health and Recreation

2(0-2-3)

Sport science principles and their application to table tennis for health and recreation. Benefits, rules and regulations, uniforms and safety. Basic skills such as foot-work, control, forehand stroke, backhand stroke, service and top spin. Competition event in single and doubles in table tennis.

or therapy, other related technologies in imaging and therapy.